



NITFS Compliance Registration



Product: Opticks version 4.2.2

Sponsor: National Air and Space Intelligence Center (NASIC)

Developer: Aerospace and Technologies Corporation

Date: 16 March 2009

Expiration: 15 March 2011

Registration #: 3012

☒ Initial Registration
☐ Supplemental/Update #
☐ Derived from Reg. #

System

N-0105/98, §4.1.1

Product

N-0105/98, §4.1.2

Component

N-0105/98, §4.1.3

NITFS Features Implemented:

Format

NITF

☒ 2.1

☐ 2.0

☐ 1.1

NSIF

☐ 1.0

Pixel Value Types

☐ Boolean

☒ Integer

☒ Signed Integer *

☒ IEEE Real *

☐ IEEE Complex *

Annotation Segment Types

☐ Bit Mapped **

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels **

Text Segments

☐ STA

☐ UT1

☐ U8S

☐ MTF

Image Segment Types

☒ MONO

☒ RGB

☐ RGB/LUT

☐ YCbCr

☒ MULTI

☒ NO DISPLAY

☐ POLAR

Image Compression

☒ No Compression

☐ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsample

☐ JPEG Lossless

☐ JPEG 2000

☐ Bi-Level

☒ Vector Quantization

Data Extension Segments

☒ TRE_OVERFLOW

☐ STREAMING_FILE_HEADER

☐ Controlled Extensions **

☐ Registered Extensions **

Tagged Record Extensions

☒ DE

☐ GEST

☒ PAE

☐ ROM

☒ CHIPB

☐ NCDRD

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

** NITF 2.0 feature

* NITF 2.1 feature

Interpret
Generate
Legend
☒ Fully implemented
☒ Partially implemented
☐ Not implemented

Curtis L. Green, Lt Col, USAF

CURTIS L. GREEN, Lt Col, USAF, Division
Chief

Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
the product for the intended use. Optional NITFS features may not be implemented.